

I CLAIM:

1. An alarm device adapted for pickproofing a lock member, the lock member having one end formed with a keyhole, said alarm device comprising:

5 a mounting member including a base plate formed with a through hole, said mounting member being adapted to be disposed adjacent to said one end of the lock member such that said through hole in said base plate is registered with the keyhole in the lock member, said
10 mounting member being formed with a containing space that opens toward said one end of the lock member;

 an alarm actuator mounted removably in said through hole in said base plate; and

 an alarm generator including an alarm circuit disposed
15 in said containing space, and a first contact member connected electrically to said alarm circuit and disposed to contact said alarm actuator when said alarm actuator is mounted in said through hole in said base plate;

20 said alarm circuit being operable in a selected one of an armed mode, where said alarm circuit generates an alarm output in response to detection by said first contact member of removal of said alarm actuator from said through hole in said base plate, and a disarmed
25 mode, where said alarm circuit is inhibited from generating the alarm output when said first contact member detects the removal of said alarm actuator from

said through hole in said base plate.

2. The alarm device as claimed in Claim 1, wherein said first contact member is to be disposed between said base plate and said one end of the lock member,

5 said alarm generator further including a second contact member connected electrically to said alarm circuit and to be disposed closer to said one end of the lock member than said first contact member,

10 said alarm circuit generating the alarm output when said second contact member contacts said alarm actuator while said alarm circuit operates in the armed mode.

3. The alarm device as claimed in Claim 2, wherein said base plate is formed with a first post unit that extends into said containing space for mounting said first
15 contact member thereon, and a second post unit that extends into said containing space and that is longer than said first post unit for mounting said second contact member thereon.

4. The alarm device as claimed in Claim 1, wherein said
20 base plate is formed with a mounting tube that defines said through hole, said mounting member being adapted to be disposed adjacent to said one end of the lock member such that said mounting tube extends in a direction away from said one end of the lock member,

25 said mounting tube being formed with a radial inward flange that extends into said through hole, said alarm actuator being inserted removably into said mounting

tube and engaging removably said radial inward flange in said mounting tube.

5 The alarm device as claimed in Claim 4, wherein said radial inward flange has opposite outer and inner flange surfaces to be disposed distal from and proximate to said one end of the lock member, respectively,

said alarm actuator including:

10 a base seat having a face plate with a rim that is disposed to abut against said outer flange surface of said radial inward flange when said base seat is inserted into said mounting tube, said base seat further having a retaining wall that extends from said face plate, said retaining wall extending through said radial inward flange and into said through hole when said base seat is inserted into said mounting tube, said face plate being formed with an insert hole therethrough, said retaining wall being formed with a radial retaining hole therethrough;

20 a retaining member received in said retaining hole and having opposite first and second end portions, said retaining member being movable between an engaging position, where said first end portion of said retaining member abuts against said inner flange surface of said radial inward flange such that said retaining member and said face plate cooperate to retain said base seat in said mounting tube, and a disengaging position, where said retaining member is retracted into said retaining

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hole such that said first end portion of said retaining member disengages from said inner flange surface of said radial inward flange so as to permit removal of said base seat from said mounting tube;

5 a biasing member for biasing said retaining member to the engaging position;

 a rotary member coupled to said second end portion of said retaining member such that rotation of said rotary member results in movement of said retaining member between the engaging and disengaging positions;
10 and

 a release key that is inserted into said insert hole in said face plate of said base seat, that engages removably said rotary member, and that is operable so
15 as to drive rotation of said rotary member relative to said base seat.

6. The alarm device as claimed in Claim 5, wherein said retaining wall of said base seat confines a receiving space that opens in a direction away from said face plate, said rotary member being disposed rotatably in said
20 receiving space and being formed with a slot to engage removably said release key.

7. The alarm device as claimed in Claim 6, wherein said second end portion of said retaining member extends into
25 said receiving space and is disposed between said face plate and said rotary member, said rotary member being formed with a cam surface that acts upon said second

end portion of said retaining member such that rotation of said rotary member due to operation of said release key results in movement of said retaining member between the engaging and disengaging positions.

5 8. The alarm device as claimed in Claim 7, wherein said cam surface of said rotary member defines a cam hole, said second end portion of said retaining member being formed with a cam post that extends into said cam hole and that abuts against said cam surface.

10 9. The alarm device as claimed in Claim 5, wherein said first end portion of said retaining member has a curved surface that abuts against said radial inward flange and that permits movement of said retaining member to the disengaging position when said retaining wall is extended through said radial inward flange during
15 insertion of said base seat into said mounting tube.

10. The alarm device as claimed in Claim 5, wherein said alarm actuator further includes an outer cap mounted detachably on said base seat to cover said insert hole.

20 11. The alarm device as claimed in Claim 10, wherein said outer cap is made of a magnetically attractive material, said face plate being formed with a magnet recess, said alarm actuator further including a magnet disposed in said magnet recess for attracting said outer
25 cap to said base seat so as to mount detachably said outer cap on said base seat.

12. The alarm device as claimed in Claim 6, wherein said
alarm actuator further includes an inner cap mounted
on said retaining wall so as to close said receiving
space and so as to retain rotatably said rotary member
5 in said receiving space.